

ATIG-P-270 /315 /400 /500

GTAW Welding Power Source 



Quick Specs



Personal User Applications

Bicycle, fitness equipment, stainless furniture
Maintenance and repair
Industry plant construction
Containers manufacture
Shipbuilding
Pipeline industry

Process

Process: DC TIG (GTAW) /Stick (SMAW) /DC Pulsed TIG (GTAW-P)

Output  

Input  

ATIG-P series is digital DC pulse TIG models with MCU technology, suitable for both automation application and manual welding. DC pulse function minimize the heat input for thin materials and provide a faster freezing for uphill welding.

Features and benefits

- Can remotely control current (optional)
- TIG: can select HF and scratching arc starting methods, have short welding, long welding, spot welding and repeat welding
- Pulse: base current, peak current, pulse frequency are adjustable
- All parameters can be precisely adjusted in real time
- MMA: adjustable arc start current, arc force current, easy arc starting
- Widely used for nuclear power installation, pipe installation, shipbuilding, high pressure container, etc
- Suitable for stainless steel, carbon steel, copper, titanium welding
- Weld with cellulose electrode (ATIG270P)
- VRD function (ATIG270P)

Standard equipments

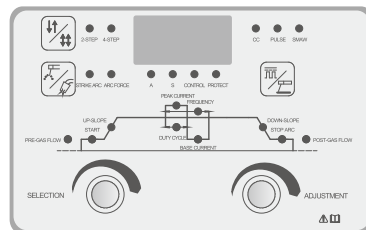
- 1 Power source
- 1 Connected primary cable L=3m
- 1 Welding cable L=3m
- 1 Ground cable L=3m
- 1 TIG torch



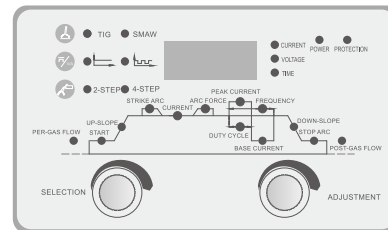
ATIG270P



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Technical Specification

		ATIG270P	ATIG315P	ATIG400P	ATIG500P
Rated input voltage/frequency (Hz)		3 phase, 380V±10%, 50 /60Hz			
Rated input capacity (KVA)		10	14.4	17.8	24.6
Rated input current (A)		16.5	21.9	27.1	37.4
Duty cycle (40°C)		275A /30.8V-35% 200A /28V-100%	60%@315A	60%@400A	60%@500A
OCV (V)(MMA /TIG)		MMA(23V) /TIG(77V)	68	71	84
MMA	Output current (A)	5-275	5-315	5-400	5-500
	Arc force (A)	10-200			
	Hot start (A)	20-160			
TIG	Output current (A)	5-275	5-315	5-400	5-500
	Pre-gas /post gas (s)	0.1-9.99/0.1-60			
	Initial /final current (A)	10-160 /5-275	10-160 /5-315	10-160 /5-400	10-160 /5-500
	Up-slope /down-slope (s)	0.1-10 /0.1-20	0.1-10 /0.1-15		
	Peak current (A)	5-275	5-315	5-400	5-500
	Base current (A)	5-275	5-315	5-400	5-500
	Pulse frequency (Hz)	0.2-30 /30-500		0.2-20	
	Pulse duty cycle	10%-90%	15%-85%		
	Trigger mode	2T, 4T, Spot welding, Repeat	2 /4T		
	Arc ignition method	HF			
Protection class		IP23S			
Insulation class		H			
Dimension (mm)		460*210*410	655*324*546	655*324*546	655*324*546
Weight (kg /lb)		19 /42	42 /93	42 /93	50 /108



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